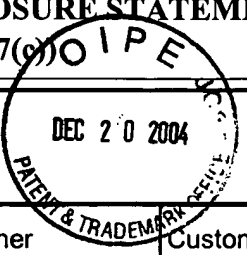


12-22-04

2031



| TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c)) | | | | Docket No. 15689.49.4 | |
|--|--------------------------|---------------|------------------------|--------------------------|-----------------------|
| In Re Application Of: Takehiro Nakamura et al. | | | | | |
| Application No. 10/673,940 | Filing Date 9/29/2003 | Examiner - | Customer No. 022913 | Group Art Unit 2631 | Confirmation No. - |
| Title: BASE STATION IN MOBILE COMMUNICATION SYSTEM | | | | | |
| Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 | | | | | |
| 37 CFR 1.97(b) | | | | | |
| 1. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114. | | | | | |
| 37 CFR 1.97(c) | | | | | |
| 2. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of: | | | | | |
| <input type="checkbox"/> the statement specified in 37 CFR 1.97(e); | | | | | |
| OR | | | | | |
| <input checked="" type="checkbox"/> the fee set forth in 37 CFR 1.17(p). | | | | | |

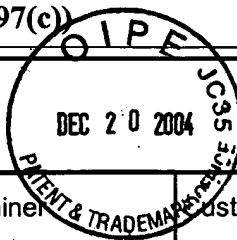
TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

15689.49.4

In Re Application: Takehiro Nakamura et al.



Application No.

Filing Date

Examiner

Customer No.

Group Art Unit

Confirmation No.

10/673,940

9/29/2003

-

022913

2631

-

Title:

BASE STATION IN MOBILE COMMUNICATION SYSTEM

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 23-3178 as described below.
- ☐ Charge the amount of _____
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.
- ☒ Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. _____)

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Signature

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(Date)

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Certificate

***This certificate may only be used if paying by deposit account.**

Signature

Dated: December 21, 2004

Adrian J. Lee

Registration No.: 42,785

Attorney for Applicant

CC:

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Takehiro Nakamura et al.

Docket No.

15689.49.4

Application No.

10/673,940

Filing Date

September 29, 2003

Examiner

-

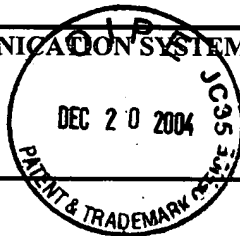
Customer No.

022913

Group Art Unit

2631

Invention: BASE STATION IN MOBILE COMMUNICATION SYSTEM



I hereby certify that the following correspondence:

(see below)

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

December 21, 2004

(Date)

Adrian J. Lee

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

EV 565664229 US

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Note: Each paper must have its own certificate of mailing.

Transmittal for Information Disclosure Statement (1 page; duplicate);
Information Disclosure Statement Under 37 C.F.R. § 1.97 (2 pages);
Form PTO-1449 Listing of References (2 page);
PTO 2038 Credit Card form for \$180.00;
Legible Copy of References (10 references);
Certificate of Express Mail (EV565664229US);
Acknowledgment Postcard



EXPRESS MAIL NO. EV 565664229 US

PATENT APPLICATION

Docket No: 15689.49.4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Takehiro Nakamura et al.

Serial No.: 10/673,940

Art Unit
2631

Filed: September 29, 2003

For: **BASE STATION IN MOBILE COMMUNICATION SYSTEM**

Customer No.: 022913

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record

believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

Since all listed references are either in the English language or are accompanied by a translation into English, no concise explanation of relevance is required under 37 C.F.R. § 1.98(a)(3).

((Promptness Certification or Submission Fee)
Under 37 C.F.R. § 1.97(c))

In accordance with 37 C.F.R. § 1.97(c), a PTO 2038 Credit Card form in the amount of \$180.00 is enclosed to secure consideration of the references submitted with this Information Disclosure Statement. Please credit any over payment or charge any additional fees to Deposit Account No. 23-3178 of the undersigned.

DATED December 21, 2004.

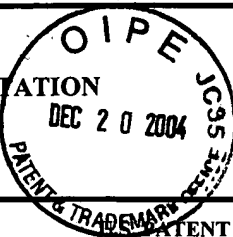
Respectfully submitted,



Adrian J. Lee
Attorney for Applicant
Registration No. 42,785
Customer No. 022913

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



| | |
|--|---|
| Docket Number (Optional) 15689.49.4 | Application Number 10/673,940 |
| Applicant(s) Takehiro Nakamura, et al. | |
| Filing Date 9/29/2003 | Group Art Unit 2631 |

PATENT DOCUMENTS

| *EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----|-----------------|------------|------------------|-------|----------|-------------------------------|
| | 1 | 5,265,119 | 11/23/1993 | Gilhousen et al. | 375 | 1 | 5/17/1991 |
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U.S. PATENT APPLICATION PUBLICATIONS

| *EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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FOREIGN PATENT DOCUMENTS

| | REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
|--|-----|-----------------|-----------|---------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | 2 | 0 681 406 A1 | 11/8/1995 | Europe | H04Q7 | 24 | ✓ | |
| | 3 | 0 534 612 A2 | 3/31/1993 | Europe | H04Q7 | 04 | ✓ | |
| | 4 | 0 490 554 A2 | 6/17/1992 | Europe | H04Q7 | 04 | ✓ | |
| | 5 | WO 97/07600 | 2/27/1997 | WIPO | H04B7 | 005 | ✓ | |
| | 6 | WO 96/27269 | 9/6/1996 | WIPO | H04Q7 | 30 | ✓ | |

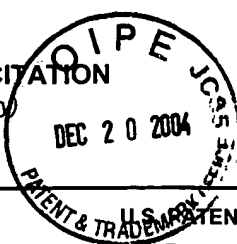
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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| EXAMINER | DATE CONSIDERED |
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | | | | | |
|--|--|--|--|---|--|--|--|
| INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i> | | | | ATTY DOCKET NO. <div style="text-align: center;">15689.49.4</div> | | APPLICATION NO. <div style="text-align: center;">10/673,940</div> | |
| | | | | APPLICANT(S) <div style="text-align: center;">Takehiro Nakamura et al.</div> | | | |
| FILING DATE <div style="text-align: center;">September 29, 2003</div> | | | | GROUP ART UNIT <div style="text-align: center;">2631</div> | | | |



| U.S. PATENT DOCUMENTS | | | | | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--|-----------------|------------|---------|--------|----------|-------------|----|
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | | YES | NO |
| 7 | | EP 0 758 168 A1 | 2/12/1997 | Europe | H04J13 | 04 | ✓ | |
| 8 | | WO 95/31879 | 11/23/1995 | WIPO | H04Q7 | 22 | ✓ | |
| 9 | | EP 0652650 B1 | 5/10/1995 | Europe | H04B7 | 26 | ✓ | |
| | | | | | | | | |
| | | | | | | | | |

| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | |
|---|--|----|---|
| | | 10 | Multirate Spread Spectrum Direct Sequence CDMA techniques XP 000570787 H. Azad, A.H.Aghvami 1994 |
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| EXAMINER | DATE CONSIDERED |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.